



3500.017374

PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:)
KEIJI TOMIZAWA ET AL.) Examiner: Unassigned
Application No.: 10/614,009) Group Art Unit: Unassigned
Filed: July 8, 2003)
For: INK JET RECORD HEAD) September 26, 2003

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In compliance with the duty of disclosure under 37 C.F.R. § 1.56 and in accordance with the practice under 37 C.F.R. §§ 1.97 and 1.98, the Examiner's attention is directed to the documents listed on the enclosed Form PTO-1449. A copy of each of the listed documents is enclosed.

The Examiner's attention is also directed to the following U.S. Applications, a copy of each of which is enclosed:

<u>Application Number</u>	<u>Inventor(s)</u>	<u>Filing Date</u>	<u>Group Art Unit</u>	<u>Status</u>
10/614,159	Keiji Tomizawa Shuichi Murakami Mitsuhiro Matsumoto	July 8, 2003	Unassigned	Pending

IDS considered by ex Raguely J. B. 12/2004

<u>Application Number</u>	<u>Inventor(s)</u>	<u>Filing Date</u>	<u>Group Art Unit</u>	<u>Status</u>
10/419,843	Shuichi Murakami Michinari Mizutani	April 22, 2003	2861	Pending
10/419,839	Ken Tsuchii Mineo Kaneko Keiichiro Tsukuda Masaki Oikawa Kenji Yabe Keiji Tomizawa	April 22, 2003	2853	Pending
10/621,347	Shuichi Murakami Keiji Tomizawa	July 18, 2003	Unassigned	Pending

Japanese Patent Application Laid-Open No. 4-10941 is discussed at pages 3 and 13 of the specification and may be relevant for the reasons discussed therein.

Japanese Patent Application Laid-Open Nos. 54-161935, 61-185455, and 61-249768 are discussed at page 3 of the specification and may be relevant for the reasons discussed therein.

Japanese Patent Application Laid-Open No. 4-10940 is discussed at page 13 of the specification and may be relevant for the reasons discussed therein.

U.S. Patent No. 5,218,376 is a U.S. counterpart to Japanese Patent Application Laid-Open Nos. 4-10940 and 4-10941.

Abstracts for Japanese Patent Application Nos. 4-10940, 4-10941, 54-161935, 61-185455 and 61-249768, obtained from a commercial database, are enclosed for the Examiner's convenience.

IDS considered by Ex. P. 12/2004

FORM PTO 1449 (modified) U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY DOCKET NO. 03500.017374		APPLICATION NO. 10/614,009	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary) June 1, 2004		APPLICANT KEIJI TOMIZAWA ET AL.			
		FILING DATE July 8, 2003		GROUP 2853	

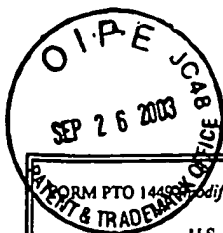
U.S. PATENT DOCUMENTS						
*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
<i>ea</i>	4,209,794	06/1980	Kattner			
<i>ea</i>	5,646,662	07/1997	Kitahara			
<i>ea</i>	6,398,348 B1	06/2002	Haluzak et al.			

FOREIGN PATENT DOCUMENTS						
	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
<i>ea</i>	JP 57-107848	07/1982	Japan			Abstract
<i>ea</i>	JP 63-183855	07/1988	Japan			Abstract
<i>ea</i>	EP 1 167 471	01/2002	EPO			In English

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.) <div style="font-size: 2em; font-family: cursive;"> <i>Regeneron</i> </div>	
EXAMINER <i>Regeneron</i>	DATE CONSIDERED <i>12/2004</i>

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicants.
 DWP/tmc

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U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

LIST OF REFERENCES CITED BY APPLICANT(S)
(Use several sheets if necessary)

September 26, 2003

ATTY DOCKET NO.
03500.017374

APPLICATION NO.
10/614,009

APPLICANT
KEIJI TOMIZAWA ET AL.

FILING DATE
July 8, 2003

GROUP 2853
~~Unassigned~~

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	5,218,376	06/1993	Asai			
	6,137,510	10/2000	Sato et al.			
	6,286,933 B1	09/2001	Murakami et al.			
	6,350,016 B1	02/2002	Tachihara et al.			
	6,439,696 B1	08/2002	Murakami et al.			
	6,443,561 B1	09/2002	Murakami			
	6,520,626 B1	02/2003	Murakami			
	6,540,335 B2	04/2003	Touge et al.			
	2002/0054181 A1	05/2002	Murakami			
	2002/0196299 A1	12/2002	Murakami			
	2003/0058305 A1	03/2003	Murakami et al.			
	2003/0067508 A1	04/2003	Mizutani et al.			

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES/NO/ OR ABSTRACT
	JP 54-161935	12/1979	Japan			Abstract
	JP 61-185455	08/1986	Japan			Abstract
	JP 61-249768	11/1986	Japan			Abstract
	JP 4-10940	01/1992	Japan			Abstract*
	JP 4-10941	01/1992	Japan			Abstract*

OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

*Note: U.S. counterpart, Patent No. 5,218,376, is also enclosed.

EXAMINER

DATE CONSIDERED 12/2004

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicants.

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